PATENT
PD-YR1-9

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Lenny Low et al. : Date: March 23, 2002
Serial No. 09/822,073 : Group Art Unit: 3743
Filed: March 30, 2001 : Examiner: Christopher M.
For: Heat Transfer of a Remote Heat Source Using a Loop Heat Pipe

TRANSMITTAL LETTER

The Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

__X__ No additional fee is required.

____ The fee has been calculated as shown below:

CLAIMS AS AMENDED

CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE		ADDITIONAL TOTAL
Total Claims	6	minus 20	=	0	X	$ 18.00	=	$ 0.00
Independent Claims	3	minus 3	=	0	X	$ 84.00	=	$ 0.00
Multiple Dependent Claims				0	X	$ 280.00	=	$ 0.00
TOTAL ADDITIONAL FEES FOR THIS AMENDMENT								$ 0.00

A cheque in the amount of $0.00 is enclosed with this Transmittal Letter to cover these costs. This form is submitted in duplicate.

Respectfully submitted

Kenneth W. Float
Reg. No. 29,233

The Law Offices of Kenneth W. Float
Office address: 2 Shire, Coto de Caza, CA 92679
Mailing address: P.O. Box 80790, Rancho Santa Margarita CA 92688-0790
Telephone: (949) 459-5519
Facsimile: (949) 459-5520

3743

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For: Heat Transfer of a Remote Heat Source Using a Loop Heat Pipe : Batch No.:
: Patent No.:

CERTIFICATE OF MAILING UNDER 37 CFR 1.8

The Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Identification of Transmitted Papers

Amendment comprising 7 pages, Transmittal letter in duplicate, amended drawing figures, replacement reproducing masters, return receipt postcard

I hereby certify that the above-identified correspondence is being deposited with the United States Postal Service on March 23, 2002 with sufficient postage as first class mail, and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Kenneth W. Float
Reg. No. 29,233

The Law Offices of Kenneth W. Float
Office address: 2 Shire, Coto de Caza, CA 92679
Mailing address: PO Box 80790, Rancho Santa Margarita, CA 92688-0790
Telephone: (949) 459-5519
Facsimile: (949) 459-5520

H-5-02
Amdt
S/A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: LENNY LOW ET AL. : Date: March 23, 2002
Serial No. 09/822,073 :
Filed: March 30, 2001 : Group Art Unit: 3743
For: HEAT TRANSFER OF A REMOTE HEAT SOURCE USING A LOOP HEAT PIPE : Examiner: Christopher. M. Atkinson

AMENDMENT

Commissioner of Patents and Trademarks
Washington, D. C. 20231

Sir:

In response to the Office Action mailed March 13, 2002, please amend the above-identified patent application as follows.

IN THE SPECIFICATION

Please amend the paragraph starting at page 2, line 31 to read as follows

Referring to the drawing figures, Fig. 1 is a perspective view of a portion of a spacecraft 20 and illustrates an exemplary heat transfer system 10a, (or heat dissipation system 10a) in accordance with the principles of the present invention. Fig. 2 is a side view of the spacecraft 20 and heat dissipation system 10a shown in Fig. 1.

Please amend the paragraph starting at page 2, line 35 to read as follows

A1

The spacecraft 20 illustrated in Figs. 1 and 2 comprises an Earth deck 11 that is a transverse panel of the spacecraft 20 on which heat dissipating equipment (heat sources 14) are located. The Earth deck 11 attached to North and South radiator panels 12, 13. Exemplary heat dissipating equipment 14 or heat source 14 is shown as a Ku-band feed horn 14, although there are other heat sources that are located remotely from either of the radiator panels 12, 13, or from heat dissipating apparatus such as heat pipe panels, RF loads, output multiplexer (OMUX) filters, RF switches and circulators (not shown).

Please amend the paragraph starting at page 3, line 6 to read as follows

The exemplary heat transfer system 10a comprises a loop heat pipe 10. The loop heat pipe 10 comprises flexible thin walled tubing 15 comprising a loop heat pipe transport line 15 that is coupled between one or more evaporators 17 that are thermally coupled to the heat source 14 (Ku-band feed horn 14) and one or more condensers 16 that are thermally coupled to one or more of the radiator panels 12, 13.